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(71)Applicant : DAINICHISEIKA COLOR & CHEM
MFG CO LTD

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(72)Inventor : OKURA KEN
SHINAGAWA YUKIO
SHIBATA TAMIaki**(54) PRODUCTION OF COLORED PEARL-LIKE POLYMER FINE PARTICLES****(57)Abstract:**

PURPOSE: To obtain the title fine particles containing a pigment uniformly dispersed into a spherical polymer fine particles and free from color-dropping phenomenon by subjecting an ethylenic unsaturated monomer containing a silane coupling agent-treated pigment to suspension heat polymerization in the presence of a protecting colloid agent in water.

CONSTITUTION: An ethylenic unsaturated monomer (e.g. ethylene glycol diacrylate) containing a silane coupling agent (e.g. vinyltrichlorosilane)-treated pigment (preferably inorganic pigment, e.g. titanium dioxide or iron oxide based pigment) is subjected to suspension heat polymerization in the presence of a protective colloid agent (e.g. PVA) in water to provide the aimed polymer fine particles.

LEGAL STATUS

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Buy Now: ☒ PDF | [More choices...](#)Tools: Add to Work File: [Create new Work File](#)View: Jump to: [Top](#) Go to: [Derwent...](#)[Email this to](#)Title: **JP2691438B2:**Country: **JP Japan**Kind: **B2 Published registered Patent Specification**Inventor: **None**Assignee: **None**Published / Filed: **1997-12-17 / 1989-01-16**Application Number: **JP1989000896232**IPC Code: **C08F 2/44; C08F 2/18;**ECLA Code: **None**Priority Number: **1989-01-16 JP1989000896232**INPADOC **None** Buy Now: [Family Legal Status Report](#)

Legal Status:

Designated Country: **DE ES FR GB IT**High
Resolution

Family:

Buy PDF	Publication	Pub. Date	Filed	Title
	US5420177	1995-05-30	1993-07-19	Method for producing colored and exactly spherical fine-grains of polymer
<input checked="" type="checkbox"/>	JP2691438B2	1997-12-17	1989-01-16	
<input checked="" type="checkbox"/>	JP2187402A2	1990-07-23	1989-01-16	PRODUCTION OF COLORED PEARL-LIKE POLYMER FINE PARTICLES
<input checked="" type="checkbox"/>	ES2091769T3	1996-11-16	1990-01-15	UN METODO PARA PRODUCIR GRANOS FINOS DE POLIMERO COLOREADOS Y EXACTAMENTE ESFERICOS.
	EP0379122B1	1996-07-17	1990-01-15	A method for producing colored and exactly spherical fine-grains of polymer
	EP0379122A3	1991-07-10	1990-01-15	A method for producing colored and exactly spherical fine-grains of polymer
	EP0379122A2	1990-07-25	1990-01-15	A method for producing colored and exactly spherical fine-grains of polymer
<input checked="" type="checkbox"/>	DE6902778T2	1997-03-06	1990-01-15	VERFAHREN ZUR HERSTELLUNG VON GEFAERBTEN UND GENAU SPHAERISCHEN, FEINKOERNIGEN POLYMEREN
<input checked="" type="checkbox"/>	DE6902778C0	1996-08-22	1990-01-15	VERFAHREN ZUR HERSTELLUNG VON GEFAERBTEN UND GENAU SPHAERISCHEN, FEINKOERNIGEN POLYMEREN

9 family members shown above

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CO LTD(72) Inventor: OKURA KEN
SHINAGAWA YUKIO
SHIBATA TAMIaki

(74) Representative:

**(54) PRODUCTION OF
COLORED PEARL-LIKE
POLYMER FINE PARTICLES**

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